FIELD REPLACEABLE UNIT DOCUMENTATION
Portege™

7020CT

BATTERY PACK REMOVAL

- Battery lock
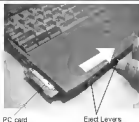- Release lever
- Battery Pack
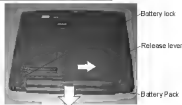
1. Turn the computer upside down as shown
2. Push the **battery lock** to unlock position
3. Slide the **battery release lever** in the direction of the arrow
4. Pull the **battery pack** slightly forward and lift it out

OPTIONAL PCMCIA CARD REMOVAL

- PC card
- Eject Levers

1. Pull out the **eject lever** of the **PC card** to be removed
2. Slide the **eject lever** to the right until the **PC card** is out
3. Grasp the **PC card** and remove it

EXPANSION MEMORY REMOVAL

- Memory cover
- M2x3 black screws
- Memory clips
- Expansion memory
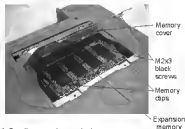
1. Turn the computer upside down
2. Remove **two M2x3 black screws** and remove the **memory cover**
3. Push the **memory clips** outward and pull the **expansion memory** out of the connector on a 45 degree angle

HDD REMOVAL

- M2x14 black screw
- HDD cover

1. Turn the computer upside down
2. Remove **one M2x14 black screw** securing the **HDD cover** and lift it out

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HDD REMOVAL

HDD   Plastic handle

3 Grasp the **plastic handle** and pull it towards your left to disconnect the **HDD**
4 Lift up the **plastic handle** to remove the **HDD**

CAUTION: Be very careful not to press on the TOP or BOTTOM of the HDD. Pressure can destroy data or damage the drive.

KEYBOARD REMOVAL   ⊙ LATCH

Keyboard   Keyboard holder

1 Turn the computer right side up and open the display
2 Unlatch the **Keyboard holder** at the five points starting from the front side
3 Pull up on the front of the **keyboard holder** to release the latches along the back and lift the holder out

KEYBOARD REMOVAL

Keyboard

Keyboard cable   PJ10

4 Lift the front of the **keyboard** pulling the keyboard forward until the **keyboard cable** is exposed
5 Disconnect the **keyboard cable** from **PJ10** on the system board and remove the **keyboard**

TOP COVER REMOVAL

M2x6 brass screw   M2x6 silver screw

LCD cable

PJ3

Microphone cable
PJ34

Speaker cable
PJ20

PJ9   Membrane switch cable

M2x4 brass screws

M2x6 brass screw

M2x8 silver screw

FL inverter cable

PJ4

1 Turn the computer right side up and open the cover
2 Use a tweezer to gently remove the **LCD cable** from **PJ3** and the **FL inverter cable** from **PJ4**
3 Disconnect the **membrane switch cable** from **PJ9**
4 Remove one **M2x8 silver screw**

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TOP COVER REMOVAL

Silver screws
M2x8 black screw
M2x8 black screw
M2.5x8 black screw
M2.5x8 black screws
M2x8 black screw
Docking connector cover
M2x14 black screws

5 Turn the computer upside down
6 Remove **two screws** securing the **docking connector cover** and lift the cover out
7 Remove the following thirteen screws securing the bottom cover
   7 **M2.5x8 black screws**
   4 **M2x8 black screws**
   2 **M2x14 black screws**

LCD panel
Top cover
Hinges
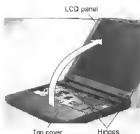
8   Turn the computer right side up and open the **LCD panel** holding both **hinges** of the top cover
9   Lift up the front of the **top cover** and lift the display back until it lies flat
10 Disconnect the LED cable from P J303 to separate the top cover with display assembly from the bottom cover

RTC BATTERY REMOVAL

RTC battery cable
Tape
RTC battery

PJ12
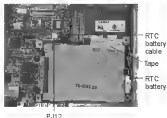
1 Disconnect the RTC battery cable
2 Remove the **tape** securing the RTC battery cable
3 Lift out the RTC battery

SYSTEM BOARD REMOVAL

PJ33
PJ32
Sound jack board
LED board
M2x4 brass screw
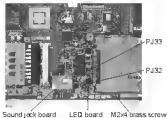
1 Remove one **M2x4 brass screw** securing the **LED board** and disconnect the board from PJ32
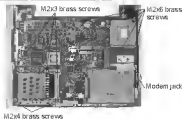2 Disconnect the **Sound jack board** from PJ33

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SYSTEM BOARD REMOVAL

M2x3 brass screws | M2x6 brass screws
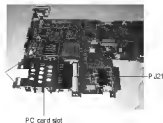
Modem jack

M2x6 brass screws

2 Remove 9 screws securing the system board
 – **M2x6 brass screws**
 – **2 M2x3 brass screws**
 – **3 M2x3 brass screws**
3 Lift out the **modem jack** from the bottom cover

Metal braces

DC IN cable
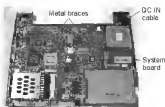
System board

4 Lift out the **system board**
5 Remove **two metal braces** from the system board
6 Disconnect the **DC IN cable** from PJ802 on the back of the system board

PC CARD SLOT REMOVAL

PJ21

PC card slot

1 Disconnect the **PC card slot** from **PJ21** on the system board

MODEM REMOVAL

PJ7

Modem board

PJ102

Modem jack cable

1 Grasp the **modem board**
2 Pull the **modem board** and disconnect it from **PJ7** on the system board
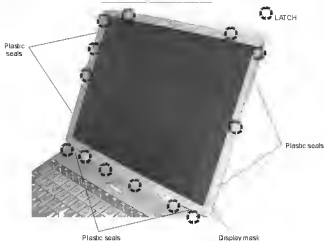4 Disconnect the **modem jack cable** from **PJ802** on the modem board

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DISPLAY MASK REMOVAL

LATCH

Plastic seals

Plastic seals

Plastic seals

Display mask

1 Remove six plastic seals covering six screws
2 Remove two M2.5x5 flat head silver screws and four M2x5 flat head silver screws securing the display mask
3 There are 13 latches securing the display mask. Carefully insert your fingers between the display mask and the LCD panel and pry open the latches starting from the top two latches, to the five latches on the right and left sides ending with the six bottom latches

FL INVERTER AND LCD REMOVAL

CN1

LCD cable

LCD cable   LCD   FL inverter board   FL inverter cable

1. Lift up the **FL inverter board** and disconnect the **FL cable** from **CN2** and the **FL inverter cable** from **CN1**
2. Carefully rotate the **LCD module** from right to left of the **LCD cover**
3. Disconnect the **LCD cable** from **CN1** on the **LCD module** and remove the **LCD** from the computer

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